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(54) INK JET RECORDING LIQUID

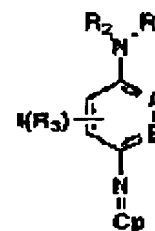
(57) Abstract:

PROBLEM TO BE SOLVED: To obtain an ink jet recording liquid being not problematic in nozzle plugging and improved in delivery stability, water resistance and light resistance by using a specified dye containing a sulfo group and a ballast group.

SOLUTION: A dye in an amount of 0.1-25mol.% having at least one sulfo group and a 10C or higher ballast group and represented by the formula (wherein R₁ and R₂ are each an alkyl or an aryl; R₃ is H or a substituent; one of A and B is N, and the other is C-R₄; R₄ is H or an alkyl; and C_p is a compound which can be coupled with a p-phenylenediamine structure developing agent in an oxidized form) is mixed with at least

10wt.% water, 5-60wt.% water-soluble org. and optionally a phase change solvent such as wax or a polyethylene wax derivative, a viscosifier, a film-forming agent, a dispersant, a colorant, a color modifier, a resistivity modifier, a surfactant, to obtain an ink jet recording liquid having a viscosity of 40cP or below and a surface tension of 2 dyne/cm or above.

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